

# **Introduction to Data Science**

**Modality: On Demand**

**Duration: 24 Hours**

## **About this course:**

This is the first stop in the Data Science curriculum from Microsoft. It will help you get started with the program, plan your learning schedule, and connect with fellow students and teaching assistants. Along the way, you'll get an introduction to working with and exploring data using a variety of visualization, analytical, and statistical techniques.

## **Course Objective:**

- How the Microsoft Data Science curriculum works
- How to navigate the curriculum and plan your course schedule
- Basic data exploration and visualization techniques in Microsoft Excel
- Basic data exploration and visualization techniques in Microsoft Excel

## **Audience:**

- Data Scientist

## **Prerequisite:**

- There are no prerequisite required for this course

## **Course Outline:**

### **Module 1: An Introduction to Data**

- Exploring Data
- Lab: Exploring Data

### **Module 2: Data Analysis Fundamentals**

- Analyzing and Visualizing Data
- Lab: Analyzing and Visualizing Data

### **Module 3: Getting Started with Statistics**

- An Introduction to Statistics
- Lab: Basic Statistical Analysis

### **Module 4: Machine Learning Basics**

- Introduction to Machine Learning
- Lab: Machine Learning

## **Next Steps**

- Next Steps